

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



4292.9
So 3 Wa
Copy 2



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
UNITED STATES DEPARTMENT of AGRICULTURE - SOIL CONSERVATION SERVICE,
and
UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah State University, U.S. National
Park Service, U.S. Geological Survey; and other Federal, State,
and private organizations.

AS OF
JAN. 1, 1968

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

D.A. WILLIAMS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||

Released by

A.R. SWANSON

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

HUBERT C. LAMBERT

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

|||||

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor
and

PAUL KEIL, Assistant Snow Survey Supervisor
SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY UTAH 84111



WATER SUPPLY OUTLOOK

as of

JANUARY 8, 1968

The April-September streamflow in southern Utah should yield from 20% to over 40% above normal runoff, if average conditions prevail throughout the following snow season. Three days of heavy rains in early September and above average precipitation through December thoroughly soaked the soil mantle.

This, along with heavy snow packs, varying from 115% on the Price River to 224% of average on the Virgin River show prospects for an excellent water year.

Central Utah snowpack is generally above normal varying from 5% to 70% above average while prospective streamflow varies from 8% below to 24% above.

In the rest of Utah, including the Uintah Basin the snow pack is near, but generally below average. Prospective streamflow is from 14% below to normal except for the Ogden river which is slightly lower. Lack of early fall rains and snow melt have left a dry soil condition under the snowpack. This may decrease, to some extent, the April-September streamflow runoff.

Storage in the 14 principal reservoirs of Utah (excluding those of the Colorado River Storage Project) at the end of December was 2,254,910 acre-feet, 121 percent of the 1948-62 average. The three principal reservoirs in the Sevier river basin (Otter Creek, Piute, and Sevier Bridge) contain 122,200 acre-feet or 99 percent of average.

WATER SUPPLY OUTLOOK (continued)

RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE ^a
<u>GREAT BASIN</u>					
<u>Bear River</u>	Bear Lake	1421.0	1065.3	1048.7	882.4
	Woodruff Narrows	26.5	21.5	12.5 ^c	--
<u>Beaver River</u>	Rocky Ford	23.3	12.6	6.2	9.1
<u>Little Bear</u>	Hyrum	15.3	10.5	10.1	9.2
	Porcupine	11.3	2.5	2.7	--
<u>Ogden</u>	Causey	7.1	2.6	0	--
	Pineview	110.0	55.6	47.1	8.5
<u>Provo</u>	Deer Creek	149.7	105.6	89.8	91.8
<u>Sevier River</u>	Gunnison	18.2	7.3	--	--
	Otter Creek	52.5	23.5	10.9	19.7
	Piute	74.0	44.1	35.9	23.9
	Sevier Bridge	236.0	54.6	45.0	79.5
<u>Spanish Fork</u>	Strawberry	270.0	121.3	89.8	129.9
<u>Utah Lake</u>	Utah Lake	883.9 ^{**}	640.5	533.4	485.5
<u>Weber</u>	East Canyon	28.7	34.9	12.2	11.2
	Echo	73.9	22.2	39.0	23.9
	Lost Creek	18.2	9.4	--	--
	Rockport	59.1	51.5	15.1	15.0 [*]
	Willard Bay	215.0	106.5	85.2	--
<u>COLORADO RIVER DRAINAGE</u>					
<u>Ashley Creek</u>	Steinaker	33.3	24.7	20.4	--
<u>Colorado</u>	Blue Mesa	940.8d	432.6	358.7	--
	Lake Powell	27000.0d	8265.0	7933.0	--
<u>Green</u>	Flaming Gorge	3789.0d	2328.4	2280.9	--
<u>Lake Fork</u>	Moon Lake	35.8	19.7	12.4	11.3
<u>Price River</u>	Scofield	65.8	44.5	35.2	17.2
<u>San Rafael</u>	Joe's Valley	54.6	16.0	--	--
<u>San Juan</u>	Navajo	1709.0d	600.7	412.4	--

* - 1957-62 Average Contents ** - Taken at Compromise Point

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

(*) Total capacity reported.

UTAH STREAMFLOW FORECASTS^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
----------------	--------------------	---------------------------------	-----------------	-----------	----------------------

(1) Includes U.P.& L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Observed flow plus change in storage in East Canyon Reservoir. (3) Inflow record as computed by U.S. Bureau of Reclamation. (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (5) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (7) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal. (8) Change in storage plus diversion thru Strawberry tunnel.

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

GREAT BASIN

Smith's Fork - Bear River (Wyo)	136	78
Logan River	108	71
Ogden River	149	77
Weber River above Echo Dam	94	86
East Canyon Creek	103	85
Salt Lake Area	104	84
Tooele Area	135	105
American Fork River	52	80
Provo River above Vivian Park	70	83
Strawberry Reservoir Valley	83	113
Payson Creek	108	139
Sevier River above Hatch	252	233
East Fork Sevier River	310	170
Clear Creek above Sevier	114	118
Salina Creek	118	148
Mt. Pleasant Area	108	137
Ephraim Area	84	105
Mayfield Area	114	128
Coal Creek-Cedar City	199	198

COLORADO RIVER BASIN

Duchesne-Strawberry Rivers	74	99
Whiterocks - Uintah Rivers	66	104
Price River	116	115
San Rafael River	129	165
Escalante River	237	147
Virgin River	217	224

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	AVERAGE ^a

BEAR RIVER BASIN

UPPER BEAR RIVER
(Above Harer, Idaho)

CCC Camp	10G7	7500	12/28	22	4.1	2.7	5.1
Salt River Summit	10G8	7900	12/28	25	4.9	4.1	6.4
Smith & Morehouse x	11J4	7600	12/27	19	4.3	3.9	4.7*
Trial Lake x	10J8	9800	12/28	38	8.5	12.4	10.8*

LOWER BEAR RIVER
(Below Harer, Idaho)

Emigrant Summit	11G6	7700	12/29	32	8.4	7.0	- -
Garden City Summit	11H7	7600	12/30	22	4.6	5.9	8.1*
Klondike Narrows	11H1	7400	12/30	28	6.6	7.1	8.5*
Steep Hollow #1	11H27	8500	12/30	44	11.8	- -	- -
Steep Hollow #2	11H28	7700	12/30	32	8.0	- -	- -
Strawberry Creek	11G9	5800	12/28	23	4.9	- -	- -
Tony Grove R. S.	11H3	6250	12/30	17	3.8	2.5	4.8*
Willow Flat	11G4	6100	12/29	24	5.1	- -	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
Garden City Summit	7600	12/30	3.68	3.40	7.07	8.25	86
Klondike Narrows	7400	12/28	3.96	4.20	8.06	10.20	79
Salt River Summit	7900	12/28	3.05	3.20	4.65	7.75	60
Trial Lake	9800	12/28	5.52	5.05	9.41	11.05	85
Willow Flat	6100	12/29	4.97	--	8.12	--	--

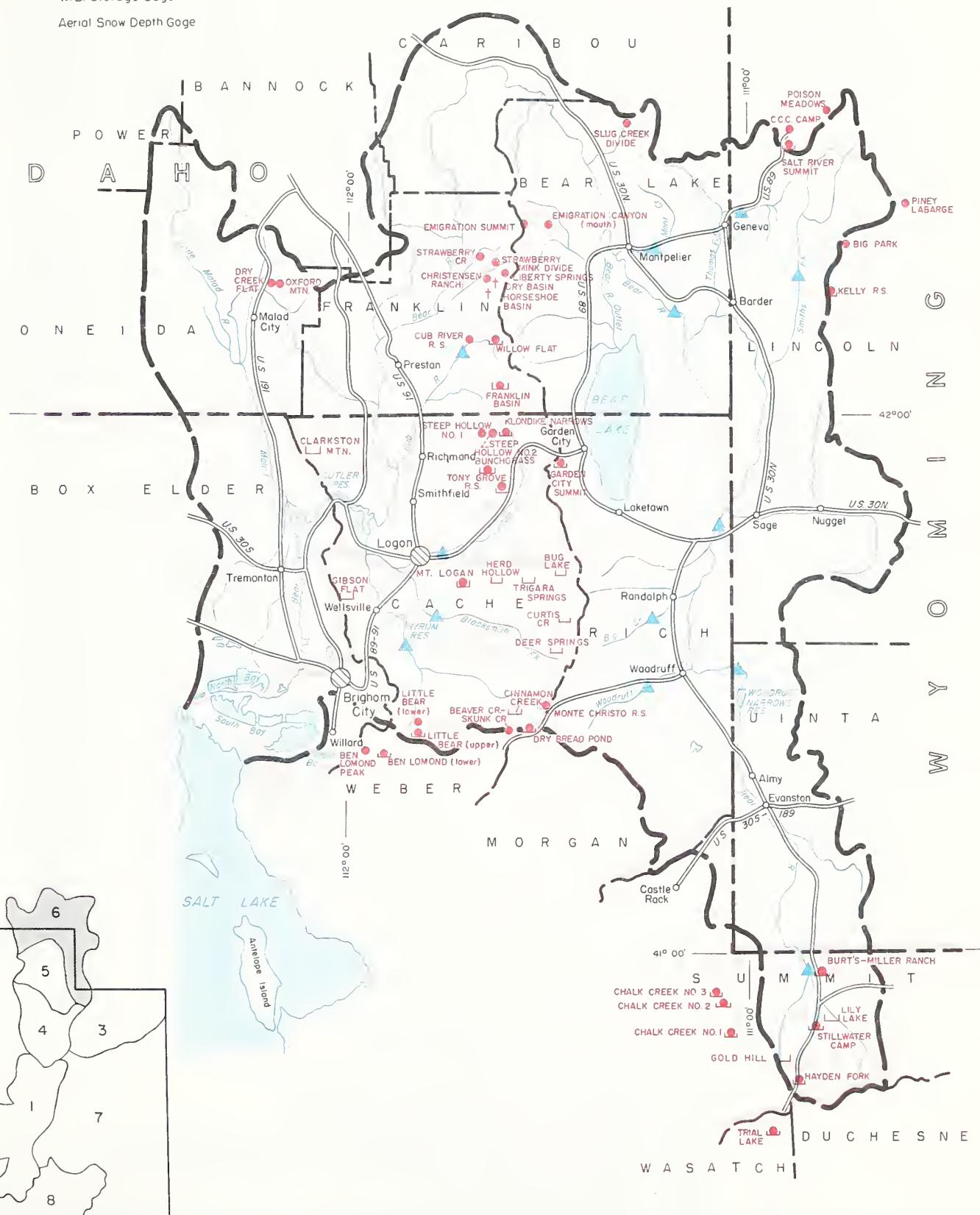
(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

LEGEND

BEAR RIVER BASIN

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- † Aerial Snow Depth Gage

10 0 10 20 30
SCALE IN MILES



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SE C.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)						
10G11	W	Big Park	7	27N	117W	8,700
10J6	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7	U	Hayden Fork	1	1S	9E	9,300
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10J17P	U	Stillwater Camp	32	2N	10E	8,550
LOWER BEAR RIVER (below Harer, Idaho)						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mtn.	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8M	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	35	14N	4E	7,600
12H2p	U	Gibson Flat	24	11N	2W	6,100
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,420
11H26	U	Little Bear (lower)	15	8N	1E	5,800
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H12P	U	Monte Cristo R.S.	3	8N	4E	8,960
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H4	U	Spring Hollow (lower)	26	12N	2E	7,000
11H5	U	Spring Hollow (upper)	35	12N	2E	8,000
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

LEGEND

Numbering system (example)

- 10J7 SNOW COURSE ONLY
- 10J7P SNOW COURSE AND PRECIPITATION GAGE
- 10J7M SNOW COURSE AND SOIL MOISTURE STATION
- 10J7A SNOW COURSE AND AERIAL MARKER
- 10J7MA SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
- 10J7MP SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
- 10J7m SOIL MOISTURE STATION ONLY
- 10J7a AERIAL MARKER ONLY
- 10J7p STORAGE PRECIPITATION GAGE ONLY
- x ADJACENT DRAINAGE

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD		
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE ^a

WEBER-OGDEN WATERSHEDS

OGDEN RIVER

Ben Lomond (lower)	11H9	5850	12/29	22	5.4	2.4	6.3*
Ben Lomond Peak	11H8	8000	12/29	37	9.2	12.5	13.5*
Ben Lomond Trail	11H30	6000	12/29	24	5.4	2.7	7.2*
Cutler Creek	11H29	6780	12/29	33	7.2	9.8	9.5*

WEBER RIVER

Beaver Creek R.S.	11J24	7500	12/28	15	3.1	4.0	3.4*
Lamb's Canyon	11J14	6600	12/28	18	4.2	4.8	5.4*
Parley's Canyon Summit	11J15	7500	12/29	29	7.5	4.9	7.0*
Silver Lake (Brighton)	11J16	8725	12/27	25	7.3	10.4	10.6
Smith & Morehouse	11J4	7600	12/27	19	4.3	3.9	4.7*
Soapstone R.S. x	11J25	7800	12/28	21	4.1	5.8	5.2*
Trial Lake x	10J9	9800	12/28	38	8.5	12.4	10.8*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

OGDEN RIVER

Ben Lomond(lower)	5850	12/29	4.30	3.80	9.30	10.60	88
Ben Lomond Trail	6000	12/29	4.49	4.00	9.64	11.13	87
Causey Dam	5500	12/29	2.46	- -	3.42	- -	--

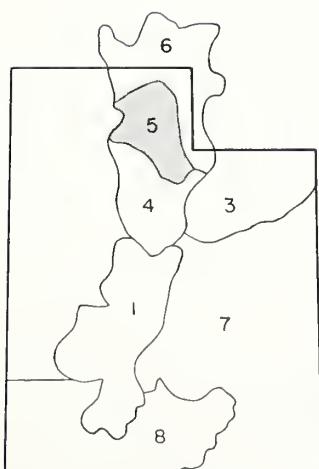
WEBER RIVER

Farmington Guard Sta.	7500	1/3	7.75	5.40	10.61	13.40	79
Farmington Rice	7000	1/3	8.83	4.90a	11.02	11.99a	92
Parley's Canyon Smt.	7500	12/29	5.18	4.05	8.85	9.45	94
Silver Lake(Brighton)	8725	12/31	4.73	5.67a	9.51	12.98a	74
Smith & Morehouse	7600	12/27	- -	3.55	6.13	8.30	74
Trial Lake	9800	12/28	5.52	5.05	9.41	11.05	85

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

WEBER - OGDEN WATERSHEDS

10 0 10 20 30
SCALE IN MILES



WATERSHED LOCATION

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ▲ S.C.S. Storage Gage
- W.B. Storage Gage

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
OGDEN RIVER						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8	U	Ben Lomond Peak	3	7N	1E	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	5,850
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H31	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H12P	U	Monte Cristo R.S.	3	8N	4E	8,960
11H10	U	Mt. Ogden	5	5N	1E	8,600
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
11H11P	U	Snow Basin	32	6N	1E	6,420
WEBER RIVER						
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	8,000
11J3M	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower) x	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper) x	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21P	U	Horse Ridge	1	6N	4E	8,260
11H31	U	Kilfore Creek	20	6N	5E	7,300
11J14	U	Lamb's Canyon x	19	1S	3E	6,600
11H32P	U	Lost Creek	27	6N	5E	6,125
11J15P	U	Parley's Canyon Summit	9 & 10	1S	3E	7,600
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Reddon Mine (lower)	1	2S	6E	8,500
11J5	U	Reddon Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J16P	U	Silver Lake (Brighton) x	35	2S	3E	8,725
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
10J8P	U	Trial Lake x	5	2S	9E	9,800

LEGEND

Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR
							<i>a</i>

UTAH LAKE & JORDAN RIVER

UTAH LAKE

Beaver Creek R.S.	11J24	7500	12/28	15	3.1	4.0	3.4*
Camp Altamont	11J20	7300	12/29	25	6.3	9.9	7.0
Daniels-Strawberry Smt.	11J23	8000	12/29	25	6.1	8.5	5.4
East Portal Ridge	11J7	7560	12/29	22	5.2	5.7	4.1
Payson R.S.	11K1	8050	12/31	28	7.8	8.5	5.9*
Rock Bridge	11K2	6750	12/31	22	6.0	4.8	4.1*
Soapstone R.S.	11J25	7800	12/28	21	4.1	5.8	5.2*
South Fork R.S.	11J19	6100	12/28	15	3.8	2.2	3.8
Strawberry Divide	11J8	8000	12/29	33	7.6	8.9	7.6
Timpanogos Cave Camp	11J18	5500	12/28	10	2.5	0.3	1.4
Timpanogos Divide	11J21	8140	12/29	30	7.6	18.8	10.7
Trial Lake	10J8	9800	12/28	38	8.5	12.4	10.8*

JORDAN RIVER

Lamb's Canyon	11J14	6600	12/28	18	4.2	4.8	5.4*
Middle Canyon	12J3	7000	12/27	20	5.4	4.0	5.1*
Mill D South Fork	11J10	7400	12/27	28	6.1	5.7	7.5*
Parley's Canyon Summit	11J15	7500	12/29	29	7.5	4.9	7.0*
Silver Lake	11J16	8725	12/27	25	7.3	10.4	10.6

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

a a

UTAH LAKE

Daniels-Strawberry Smt.	8000	12/29	3.59	3.50	6.41	8.35	77
East Portal Ridge	7800	12/29	4.15	3.50	6.05	8.35	72
Payson R.S.	8050	12/31	6.90	3.50	8.22	8.15	101
Soapstone R.S.	7800	12/28	2.80	3.15	4.93	7.35	67
Timpanogos Divide	8200	12/29	5.75	5.09	3.30	11.73	71
Trial Lake	9800	12/29	5.52	5.05	9.41	11.05	85

JORDAN RIVER & TOOELLE VALLEY

Middle Canyon	7000	12/27	- -	3.65	7.32	8.20	89
Mt. Dell Dam	5500	12/31	3.21	2.49a	6.75	6.11a	110
Parley's Canyon Smt.	7500	12/29	5.18	4.05	8.85	9.45	94
Silver Lake(Brighton)	8725	12/31	4.73	5.67a	9.51	12.98a	74

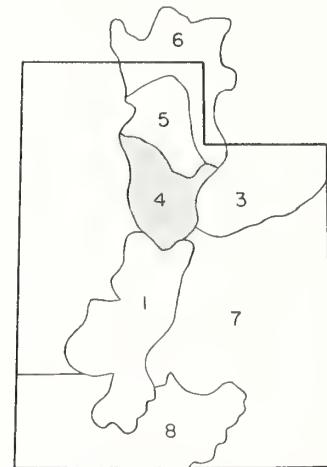
(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

UTAH LAKE, JORDAN RIVER AND TOOKELE VALLEY WATERSHEDS

10 0 10 20 30
SCALE IN MILES

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage



WATERSHED LOCATION



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PROVO RIVER & UTAH LAKE						
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J7P	U	East Portal	36	7S	6E	7,560
11J22P	U	Hobble Creek Summit	20	7S	5E	7,420
11J31	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J8	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial Lake	5	2S	9E	9,800
JORDAN RIVER & GREAT SALT LAKE						
12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5P	U	Deseret Peak	15	4S	7W	9,250
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
11J14	U	Lamb's Canyon	19	1S	3E	6,600
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J10	U	Mill D South Fork	18	2S	3E	7,400
11J15P	U	Parley's Canyon Summit x	9 & 10	1S	3E	7,600
12J1	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
12K2P	U	Vernon Creek	21	10S	5W	7,500

LEGEND

Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD		
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE <i>a</i>

UINTAH BASIN & DAGGETT SCD'S

UINTAH BASIN SCD

Daniels-Strawberry Smt. x	11J23	8000	12/29	25	6.1	8.5	5.4
East Portal x	11J7	7560	12/29	22	5.2	5.7	4.1
Indian Canyon	10K1	9100	12/28	24	4.7	7.8	5.0
Julius Park	9J6	9800	12/29	26	5.4	8.4	5.6*
Mosby Mountain	9J5	9500	12/29	22	5.2	7.2	4.0*
Paradise Park	9J3	10100	12/29	22	4.6	7.3	5.4*
Soapstone R.S. x	11J25	7800	12/28	21	4.1	5.8	5.2*
Strawberry Divide x	11J8	8000	12/29	33	7.6	8.9	7.6
Trial Lake x	10J8	9800	12/28	38	8.5	12.4	10.8*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE

a

a

DAGGETT SCD

Burnt Creek	7900	1/2	2.29	--	3.64	--	--
-------------	------	-----	------	----	------	----	----

UINTAH BASIN SCD

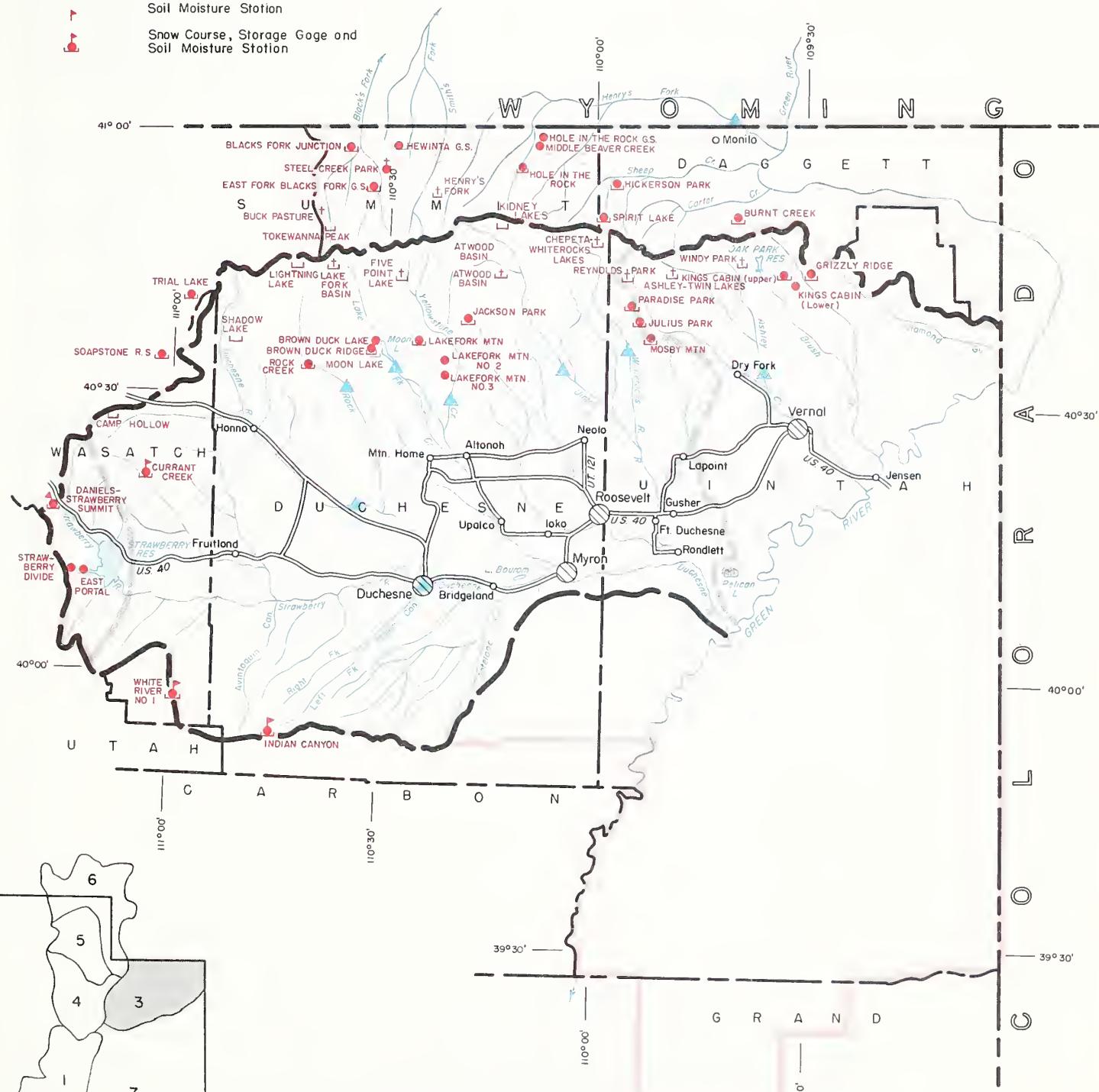
Daniels-Strawberry Smt.x	8000	12/29	3.59	3.50	6.41	8.35	77
East Portal Ridge x	7300	12/29	4.15	3.50	6.05	8.35	72
Grizzly Ridge	8500	1/2	3.90	--	5.34	--	--
Indian Canyon	9100	12/28	--	2.90	5.25	6.80	77
Julius Park	9800	12/29	--	2.70	5.74	7.10	81
Moon Lake	8150	Delayed Data		1.49	--	4.25	--
Mosby Mountain	9500	12/29	--	--	5.59	--	--
Paradise Park	10100	12/29	--	2.90	5.54	7.65	72
Soapstone R. S. x	7800	12/26	2.80	3.15	4.93	7.35	67
Trial Lake x	9800	12/26	5.52	5.05	9.41	11.05	85

LEGEND

- Watershed Boundary
- Sub-watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- ▲ Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- † Aerial Snow Depth Gage
- Snow Course and Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Course, Storage Gage and Soil Moisture Station

UINTAH BASIN & DAGGETT S. C. D's.

5 0 5 10 15 20
SCALE IN MILES



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER GREEN RIVER IN UTAH (above Duchesne River)						
9J11a	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8	U	Hickerson Park	24	2N	17E	9,100
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cabin (upper)	22	1S	21E	8,730
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20A	U	Steel Creek Park	17	2N	13E	9,900
9J12a	U	Windy Park	1	1S	20E	9,400
DUCHE SNE RIVER						
10J27a	U	Atwood Basin	21	1S	15E	10,250
10J9	U	Brown Duck Lake	2	2N	6W	10,300
9J9a	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit x	20	2S	12W	8,000
11J7P	U	East Portal x	36	7S	6E	7,560
10J26a	U	Five Point Lake	28	4N	5W	11,000
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19	U	Jackson Park	23	3N	4W	11,300
9J6P	U	Julius Park	20	3N	1E	9,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J25P	U	Soapstone R.S. x	9	3S	8E	7,800
11J8	U	Strawberry Divide x	34 & 35	7S	6E	8,000
10J8P	U	Trial Lake x	5	2S	9E	9,800
10K2MP	U	White River #1 x	11	10S	8E	8,550

LEGEND

Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR
							<i>a</i>

CARBON, EMERY, WAYNE, GRAND & SAN JUAN COUNTIES

PRICE RIVER

Dry Valley Divide	11K8	7800	12/29	23	5.5	5.9	3.0
Gooseberry Reservoir	11K4	8700	12/27	26	6.2	9.4	6.8*
Indian Canyon	10K1	9100	12/23	24	4.7	7.8	5.0
Jones Ranch	11K7	7600	12/29	18	3.9	3.6	2.2
Mammoth R.S.-Ctnwood Crk.	11K3	8800	12/27	35	7.8	9.6	7.0*
Mud Creek	11K33	8300	12/29	24	5.0	7.1	4.8*

SAN RAFAEL RIVER

G.B.R.C. Meadows x	11K10	10000	12/29	33	8.7	11.2	9.0*
Gooseberry Reservoir x	11K4	8700	12/27	26	6.2	9.4	6.8*
Mt. Baldy R.S. x	11K12	9500	12/27	36	8.9	9.7	7.2*

FREMONT RIVER

Farnsworth Lake x	11L1	9900	12/28	30	7.9	7.8	6.0*
-------------------	------	------	-------	----	-----	-----	------

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	1/3	38	10.7	—	—
Camp Jackson	9M2	8600	1/4	38	10.6	—	—
LaSal Mountain	9L1	8800	1/5	29	6.8	—	—
LaSal Mountain(upper)	9L2	9600	1/5	42	10.9	—	—

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE

PRICE RIVER

Gooseberry Reservoir	8700	12/27	5.44	3.35	7.18	8.15	88
Indian Canyon	9100	12/28	- -	2.90	5.25	6.80	77
Mammoth R.S. #2	8600	12/27	5.20	3.35	7.27	8.10	90
Mud Creek	8300	12/29	3.30	3.15	5.40	7.15	76

SAN RAFAEL RIVER

G.B.R.C. Meadows x	10000	12/29	5.28	3.36a	7.06	8.75a	81
Gooseberry Reservoir x	8700	12/27	5.44	3.35	7.18	8.15	88

FREMONT RIVER

Farnsworth Lake x	9900	12/28	6.08	3.15	8.22	8.00	103
-------------------	------	-------	------	------	------	------	-----

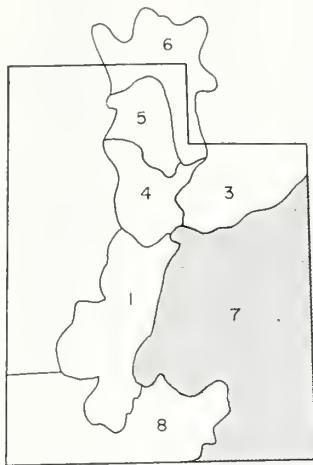
SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	1/3	9.10	- -	10.95	- -	--
Camp Jackson	8600	1/4	7.30	- -	9.00	- -	--
LaSal Mountain(upper)	9600	1/5	5.20	- -	9.20	- -	--

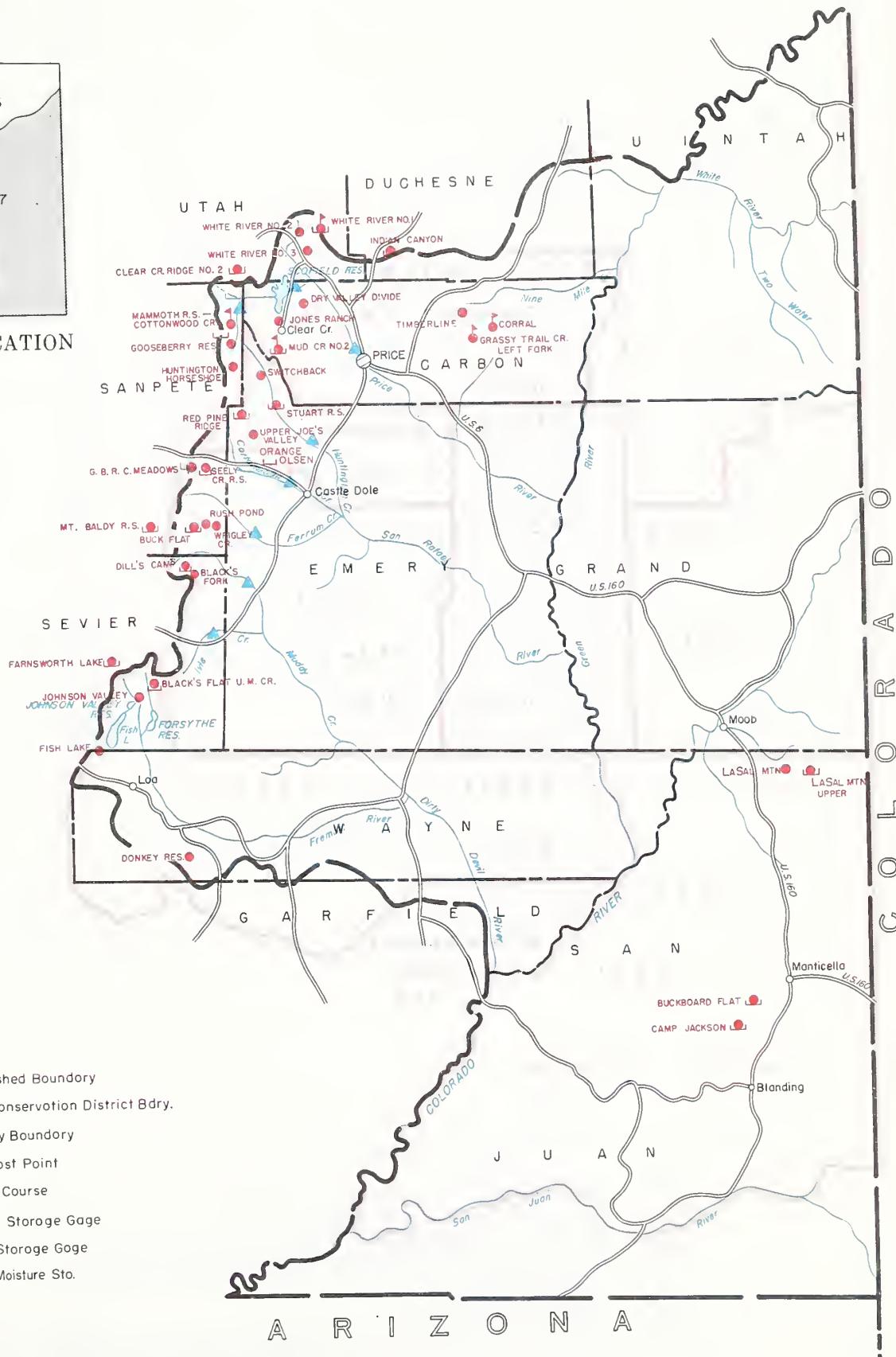
(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

10 0 10 20 30 40
SCALE IN MILES



WATERSHED LOCATION



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PRICE RIVER						
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
10K1P	U	Indian Canyon x	2	11S	10E	9,100
11K7	U	Jones Ranch	32	12S	7E	7,600
11K3MP	U	Mammoth R.S. - Cottonwood Creek x	13 & 23	13S	5E	8,800
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
SAN RAFAEL RIVER						
11K31P	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
11K38	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek R.S.	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K26	U	Switchback	14	14S	6E	8,600
11K29	U	Upper Joe's Valley	21	16S	6E	8,800
11K32	U	Wrigley Creek	27	19S	5E	9,000
MUDDY RIVER						
11K14	U	Black's Fork	34	20S	4E	9,200
11K15	U	Dill's Camp	27	20S	4E	9,200
FREMONT RIVER						
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
SOUTHEASTERN UTAH DRAINAGES						
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400

LEGEND

Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD		
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE

SEVIER RIVER BASIN

UPPER SEVIER RIVER - South of Richfield, Utah

Bryce Canyon	12M8	8000	1/4	23	5.3	1.0	2.2*
Duck Creek R.S.	12M4	8560	12/28	35	9.2	2.2	4.0*
Harris Flat R.S.	12M5	7700	12/28	24	6.4	0.4	2.0*
Kimberly Mine	12L6	9100	12/29	28	7.1	6.2	6.0*
Long Valley Jct.	12M6	7500	12/28	21	6.0	0.6	1.0*
Midway Valley	12M2	9800	1/2	40	10.5	12.1	7.0*
Widtsoe-Escalante Smt.	11M1	9500	12/29	28	7.0	2.4	3.4
Widtsoe-Escalante #2	11M2	9500	12/29	26	6.0	2.8	4.8*
Widtsoe-Escalante #3	11M3	9500	12/29	33	7.8	3.8	7.0*

LOWER SEVIER RIVER - Including San Pitch River

Beaver Dams	11K13	8000	12/26	24	5.2	3.8	3.9*
Farnsworth Lake	11L1	9900	12/28	30	7.9	7.8	6.0*
G.B.R.C. Headquarters	11K11	8700	12/29	30	6.3	7.0	5.5*
G.B.R.C. Meadows	11K10	10000	12/29	33	8.7	11.2	9.0*
Gooseberry R.S.	11L2	8400	12/28	22	5.4	4.0	3.3*
Gooseberry Reservoir	11K4	8700	12/27	26	6.2	9.4	6.8*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	12/27	35	7.8	9.6	7.0*
Mt. Baldy	11K12	9500	12/27	36	8.9	9.7	7.2*
Pine Creek	12L1	8700	12/28	35	7.8	—	—
Shingle Mill	12L11	6200	12/27	24	5.5	1.9	—

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

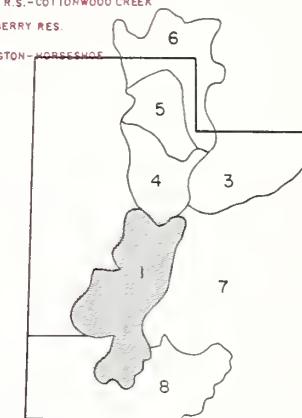
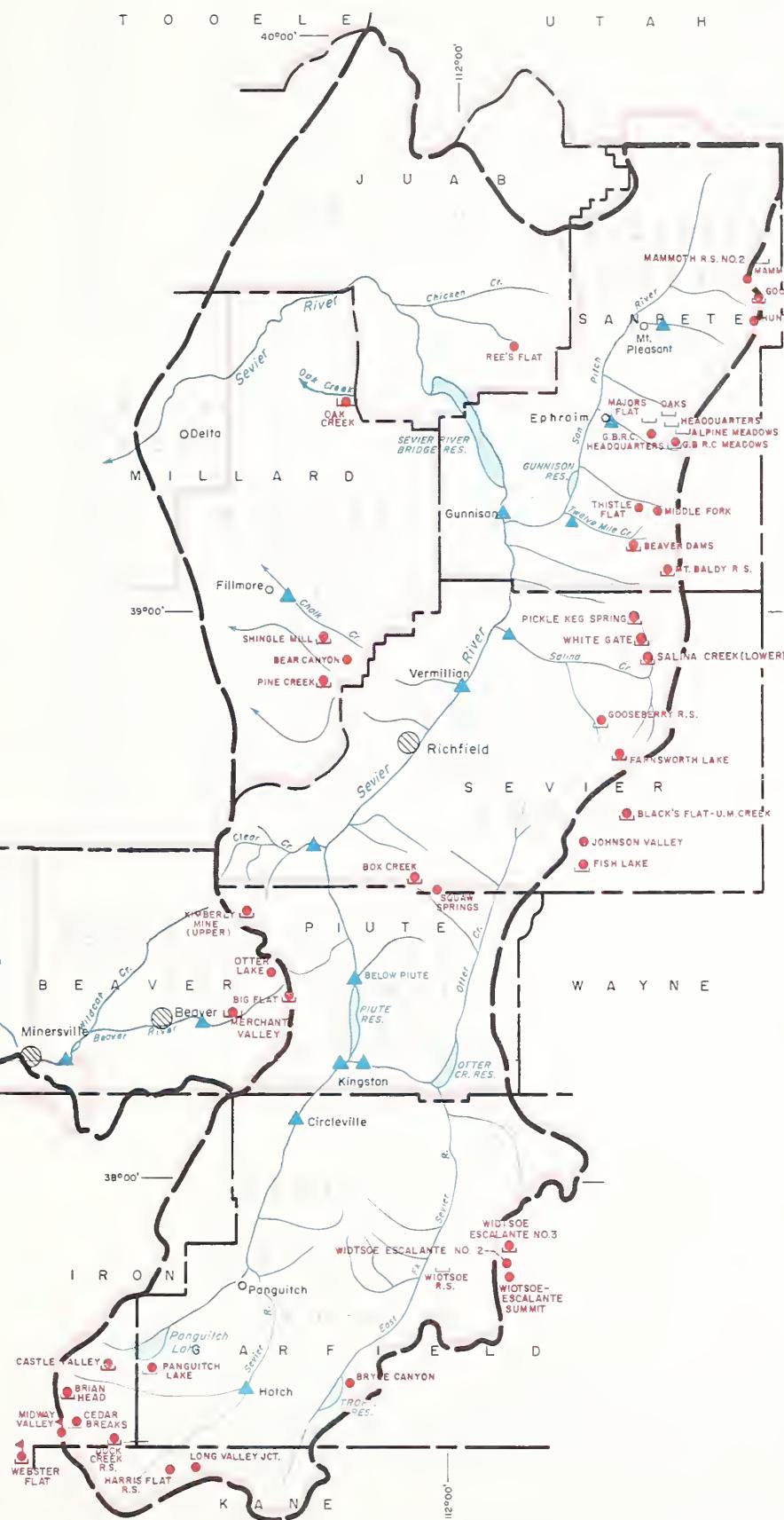
PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
Duck Creek R.S.	8560	12/28	6.44	3.35	8.70	8.35	104
Farnsworth Lake	9900	12/28	6.08	3.15	8.22	8.00	103
G.B.R.C. Headquarters	8700	12/29	4.75	3.03a	6.40	7.76a	82
G.B.R.C. Meadows	10000	12/29	5.28	3.36a	7.06	8.75a	81
G.B.R.C. Oaks	7655	12/29	3.17	2.24a	4.47	5.59a	80
Gooseberry R.S.	7800	12/28	4.83	2.40	6.19	5.80	107
Gooseberry Reservoir	8700	12/27	5.44	3.35	7.18	8.15	88
Kimberly Mine	9100	12/29	- -	3.10	8.15	7.85	104
Mammoth R.S. #2	8600	12/27	5.20	3.35	7.27	8.10	90
Mt. Baldy	9500	12/27	- -	3.15	7.34	7.85	94
Shingle Mill	6200	12/27	4.75	2.55	6.19	6.50	95
Webster Flat	9200	1/2	6.49	3.50	8.79	8.90	99
Widtsoe-Escalante #3	9500	12/29	6.50	2.30	7.41	6.25	118
Widtsoe R.S.	7600	12/29	2.55	0.93a	2.95	2.71a	109
BEAVER RIVER							
Beaver Canyon P.H.	7275	12/31	3.78	1.41	4.83	3.80	127

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

SEVIER RIVER BASIN including BEAVER RIVER

10 0 10 20 30
SCALE IN MILES



WATERSHED LOCATION

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Soil Moisture Station
- S.C.S. Storage Gage
- W.B. Storage Gage

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER SEVIER RIVER (South of Richfield, Utah)						
12L7P	U	Big Flat x	18	29S	4W	10,290
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	22	36S	8W	9,700
12M1P	U	Cedar Breaks	2	37S	9W	10,390
12M4P	U	Duck Creek R.S.	11	38S	8W	8,560
11L3	U	Fish Lake x	35	26S	1E	8,700
12M5	U	Harris Flat	24	38S	7W	7,700
12L6P	U	Kimberly Mine	11	27S	5W	9,100
12M6	U	Long Valley Junction x	22	38S	6W	7,500
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12L5	U	Squaw Springs	3	27S	2W	9,300
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600

LOWER SEVIER RIVER (Including San Pitch River)

12L3	U	Bear Canyon	17	22S	3W	7,200
11K13P	U	Beaver Dams	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2	U	Gooseberry R.S.	32	23S	2E	8,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
12L1P	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	24	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	24	18S	4E	8,500

BEAVER RIVER

12L7P	U	Big Flat	18	29S	4W	10,290
12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300

LEGEND

Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD		
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE ^a

EAST GARFIELD, KANE, WASHINGTON & IRON COUNTIES

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	12/29	28	7.0	2.4	3.4
Widtsoe-Escalante #2	11M2	9500	12/29	26	6.0	2.8	4.8*
Widtsoe-Escalante #3	11M3	9500	12/29	33	7.8	3.8	7.0*

PARIA RIVER

Bryce Canyon x	12M8	8000	1/4	23	5.3	1.0	2.2*
----------------	------	------	-----	----	-----	-----	------

VIRGIN RIVER & COAL CREEK

CSU Ranch	12M17	8200	1/2	21	4.3	0.9	- -
Duck Creek R.S. x	12M4	8560	12/28	35	9.2	2.2	4.0*
Harris Flat x	12M5	7700	12/28	24	6.4	0.4	2.0*
Long Valley Jct.	12M6	7500	12/28	21	6.0	0.6	1.0*
Midway Valley x	12M2	9800	1/2	40	10.5	12.1	7.0*
Urie Flat	12M10	8450	1/2	20	4.7	1.3	1.9*
Webster Flat	12M3	9200	1/2	32	8.8	6.0	4.5*

PAROWAN CREEK

Birch Crossing	12M16	8100	1/2	21	5.0	1.4	- -
Brian Head	12M14	10400	1/2	42	10.1	6.9	- -
Tall Poles	12M15	8800	1/2	32	8.1	4.5	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE
				a	a		
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	12/29	6.50	2.30	7.41	6.25	118
<u>VIRGIN RIVER</u>							
Duck Creek R.S.	8560	12/28	6.44	3.35	8.70	8.35	104
Webster Flat	9200	1/2	6.49	3.50	8.79	8.90	99
<u>COAL CREEK</u>							
Webster Flat x	9200	1/2	6.49	3.50	8.79	8.90	99
<u>PAROWAN CREEK</u>							
Tall Poles	8800	1/2	5.40	- -	7.70	- -	--

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
Weather Bureau
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. -- ROOM 4012
SALT LAKE CITY, UTAH 84111

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

FIRST CLASS MAIL

**FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS**

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*“The Conservation of Water begins
with the Snow Survey”*